

An aerial photograph of a coastal city, likely San Francisco, showing the city grid, the bay, and the surrounding mountains. The text is overlaid on the image.

# Harbor Communities Monitoring Meeting

August 1, 2007

Wilmington Senior Center

1371 Eubank Street  
Wilmington, CA 90744  
6:00 p.m. – 8:30 p.m.



# Agenda

- **Introductions**
- **Brief overview of CARB's Harbor Communities Monitoring Studies**
- **Status reports**
  - **Desert Research Institute Air Quality Study**
  - **UCLA Mobile Platform Study**
  - **USC Ultra-fine Particle Count Study**
  - **UCLA Truck Activity Study**
  - **SCAQMD, Port of LA, and Port of LB ambient sampling**
- **General discussion - Q&A**
- **Technical discussion - Q&A**

# **Overall Goal of Harbor Communities Monitoring Study (HCMS)**

**“To develop improved technical tools for assessing the spatial variability of pollutant concentrations within communities.”**

***“Improved” primarily means better spatial resolution, better detection sensitivity, or finer temporal resolution than traditional fixed-site monitors***

# Why Greater Wilmington Area?

- **Insights from previous monitoring efforts**
- **Variety of pollutant sources**
  - **Refineries**
  - **Port-related activities (ships, trains, trucks); port volume expected to triple by 2020**
  - **Power plants**
  - **Small facilities (e.g., chrome plating, auto body shops)**
- **Active community groups**

# Components of HCMS

## **CARB**

DRI – Saturation Study

UCLA – Mobile Platform Study

USC – Ultra-Fine Particle Count Study

staff - meteorological data support

## **Collaborators**

Port of Long Beach

Port of Los Angeles

SCAQMD

UCLA – Truck Activity Study

# Sampling Schedule

- DRI – 20+ sites, 4 seasons, 4 weeks/season
- UCLA – mobile platform, winter/summer  
12-15 days (am/pm) per season
- USC – 12+ sites, continuous (~March – November)

# HCMS Website

<http://www.arb.ca.gov/research/mobile/hcm/hcm.htm>

# HCMS Contact

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# Status Reports

- DRI – Saturation Study
- UCLA – Mobile Platform Study
- USC – Ultra-Fine Particle Count Study
- UCLA – Truck Activity Study
- CARB – Other Monitoring  
(SCAQMD, Port of LA, Port of LB)



# General Questions

# Technical Questions